



Limni site



A good architecture starts always with a good construction. That means to use each and every material according to its own static and morphological properties, because the concrete, the steel and the glass are completely different. Moreover, construction means to build with the material which you choose and blend with the detail and the overall, in a harmonious and lean clash.

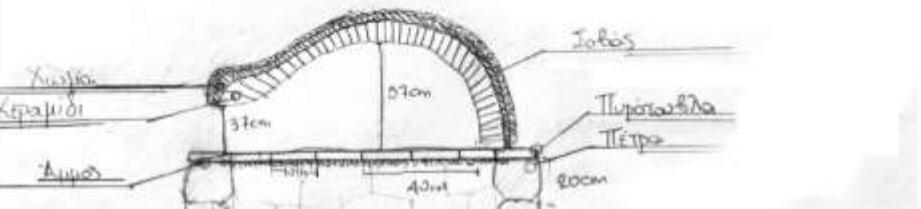
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The location of the project is in the settlement Limni, next to Agios Nikolaos, in Crete. It is an eco-agro-tourist project, which has a dynamic and holistic approach, based on respect for this beautiful and inspiring place, for nature, tradition, ancient inhabitation and future generations. At the moment, the LIMNI site has two eco-houses and a shelter for seminars and activities under construction. In this place we had the opportunity to construct an outdoor oven and a sitting area. After a study of the field and the existing constructions, we planned to build with natural materials, which the space already have. The main materials which we considered to use are the following: stone, wood, earth, sand, straw, lime and pigments.

We lived a real experience having hands-on work at the Limni site. Experience natural materials in company of the eco-builders of LIMNI and engage in the construction of an outdoor oven and a fire-dry sitting area among olive trees. We have been working with stone, wood, straw and earth, learning the different materials, their properties and building techniques. The outline and footprint have discussed and laid out at the beginning of the workshop and the creativity of building focused more on working out details on one-to-one scale with the materials available on the site.

outdoor oven

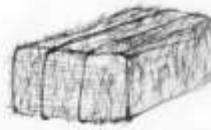


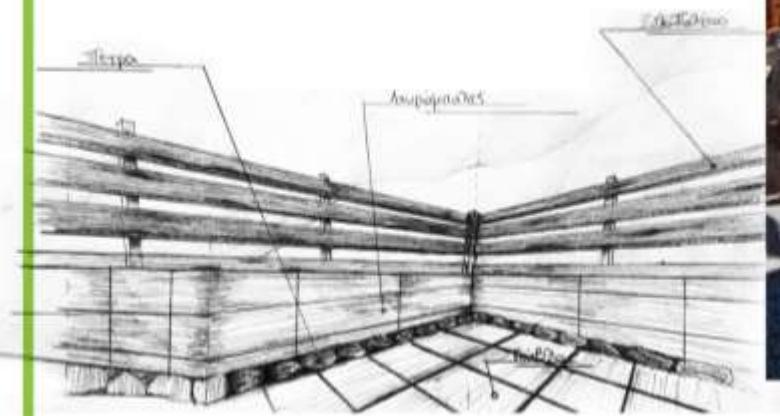
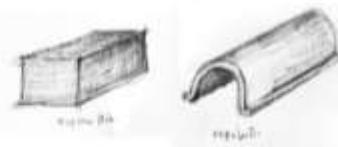
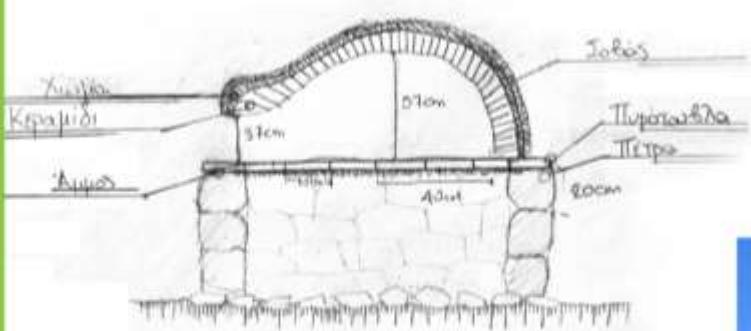
Steps of the procedure of construction (OUTDOOR ovens)

1. Making a hole
2. Filling with stone
3. Filling with gravel
4. Use a sand of marble
5. Construction of the base with stone
6. Use of firebricks
7. Drawing of a circular base (diameter 40cm)
8. Wooden door form
9. Build unit (form with soil and tile (upcycling project))
10. Soil form for the dome
11. first layer with soil and tile following the form
12. Use of firebricks for the opening
13. Second layer of the oven with earth, straw and water
14. Third layer: straw, earth and water.

Steps of the procedure of construction (sitting area)

1. Base with stones
2. Draw tool for sifting
3. Construction of wooden blocks of the seat
4. First layer of the seat: earth, straw and water
5. Use of net to stabilize the construction
6. Second layer: lime, sand and water
7. Third layer: lime, a sand of marble, water and pigments
8. Decoration with stones
9. Wooden table by side of the sitting area
10. Planting some trees around the space for shade and beauty.





sitting area

